



# College Avenue Pedestrian Study



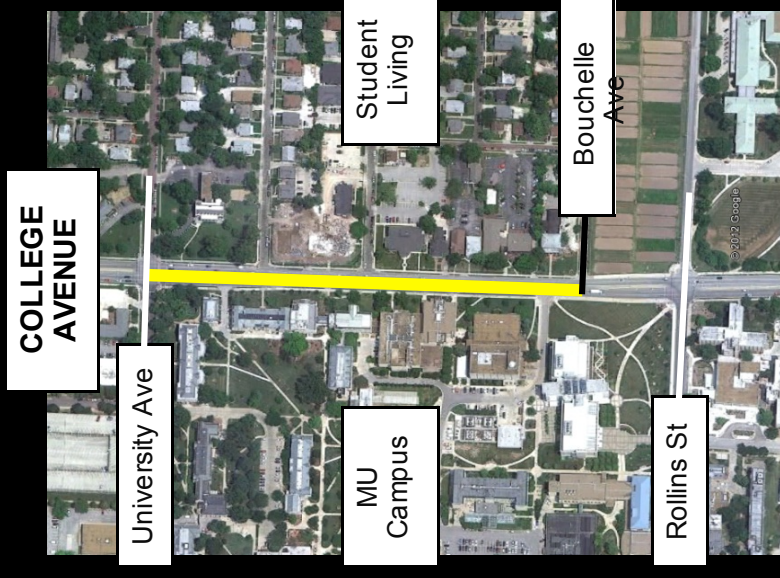
# Pedestrian Study

- Given continual concerns, MU hired an independent consultant in 2009 to identify the most effective means of facilitating safer pedestrian crossings on College Avenue
- Lack of funding has inhibited the implementation of pedestrian safety measures



# Roadway & Traffic Conditions

- Study area
  - ▣ Approximately 1,200 feet on College Avenue between University and Bouchelle avenues
- Characteristics
  - ▣ 5-lane arterial
    - Typical width of 50 feet
  - ▣ Speed limit of 35 mph
- 2010 average daily traffic: **19,500 vehicles**



# Pedestrian Conditions

- Very high pedestrian volumes
  - More than 7,500 pedestrian crossings in two days
    - 2,500 crossings at University Avenue (signalized)
    - Remaining 5,000 not at signalized crosswalks
- Crossings do not align with campus pathways
  - 72% of pedestrians south of Rosemary Lane cross midblock
  - Typically execute a two-stage crossing





# Pedestrian Safety

- Pedestrian Related Crash Analysis
  - ▣ 9 injury accidents from October 2009 to June 2012
  - ▣ 11 accidents from June 2005 to September 2009
    - 8 of these occurred in marked crosswalks at signalized intersections



# Study Recommendations

- Establish crosswalks with colored/textured pavement & install median barrier
  - ▣ Located:
    - Between Rosemary Lane & Wilson Avenue
    - North of service drive by Physics Building
- Consider HAWK signals



# Sample HAWK Signal

- Advantages:
  - ▣ Stops traffic to provide opportunity for pedestrians to cross
  - ▣ Minimizes the duration that vehicles are stopped



# Questions?

